

**FIG. 1**

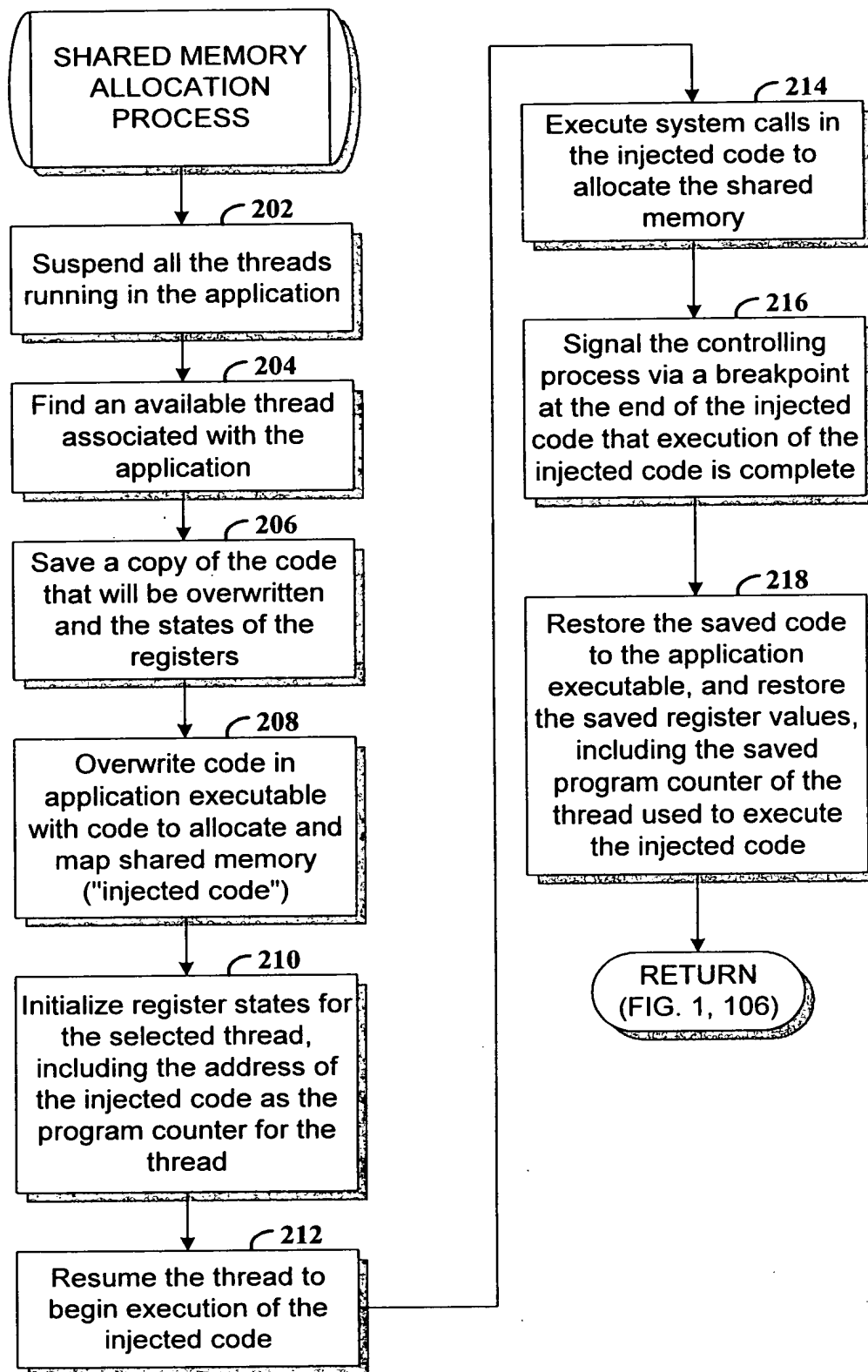


FIG. 2A

|  |                                      |
|--|--------------------------------------|
| executable instrumentation program<br><u>302</u> | executable application<br><u>306</u> |
| instrumentation memory<br><u>304</u>             | application memory<br><u>308</u>     |

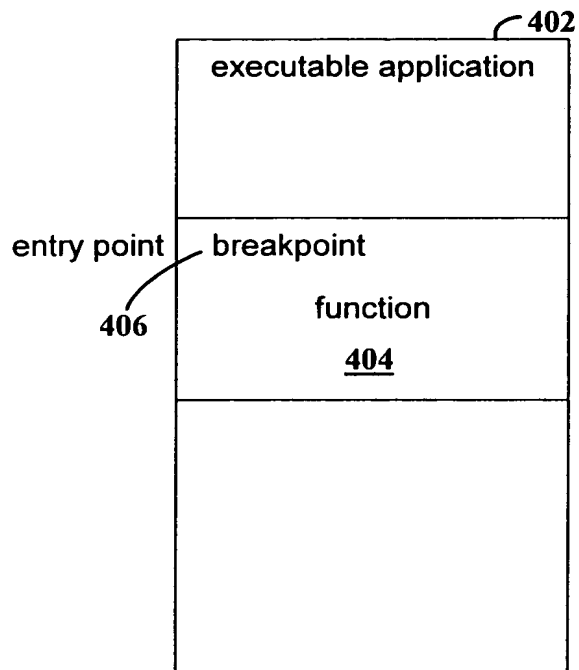
**FIG. 2B**

|  |  |
|--|--|
| executable instrumentation program<br><u>302</u>             | executable application<br><u>306</u>                 |
|  | code to allocate and map shared memory<br><u>312</u> |
| instrumentation memory<br><u>304</u>                         |  |
| saved segment of code from executable application <u>310</u> | application memory<br><u>308</u>                     |
| shared memory<br><u>314</u>                                  |  |

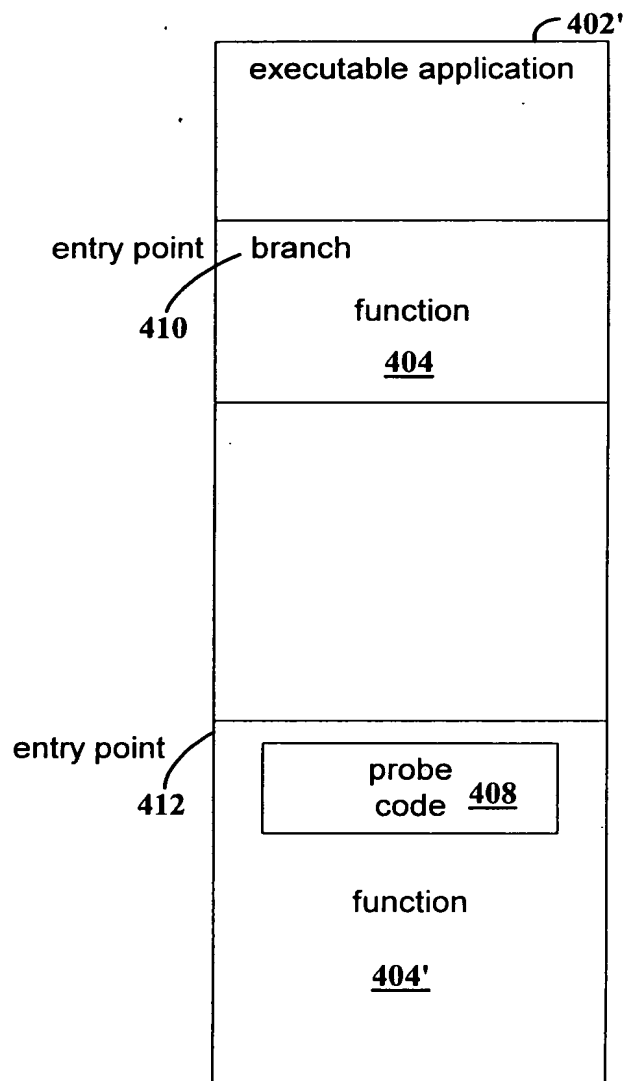
**FIG. 2C**

|  |                                      |
|--|--------------------------------------|
| executable instrumentation program<br><u>302</u> | executable application<br><u>306</u> |
| instrumentation memory<br><u>304</u>             | application memory<br><u>308</u>     |
| shared memory<br><u>314</u>                      |                                      |

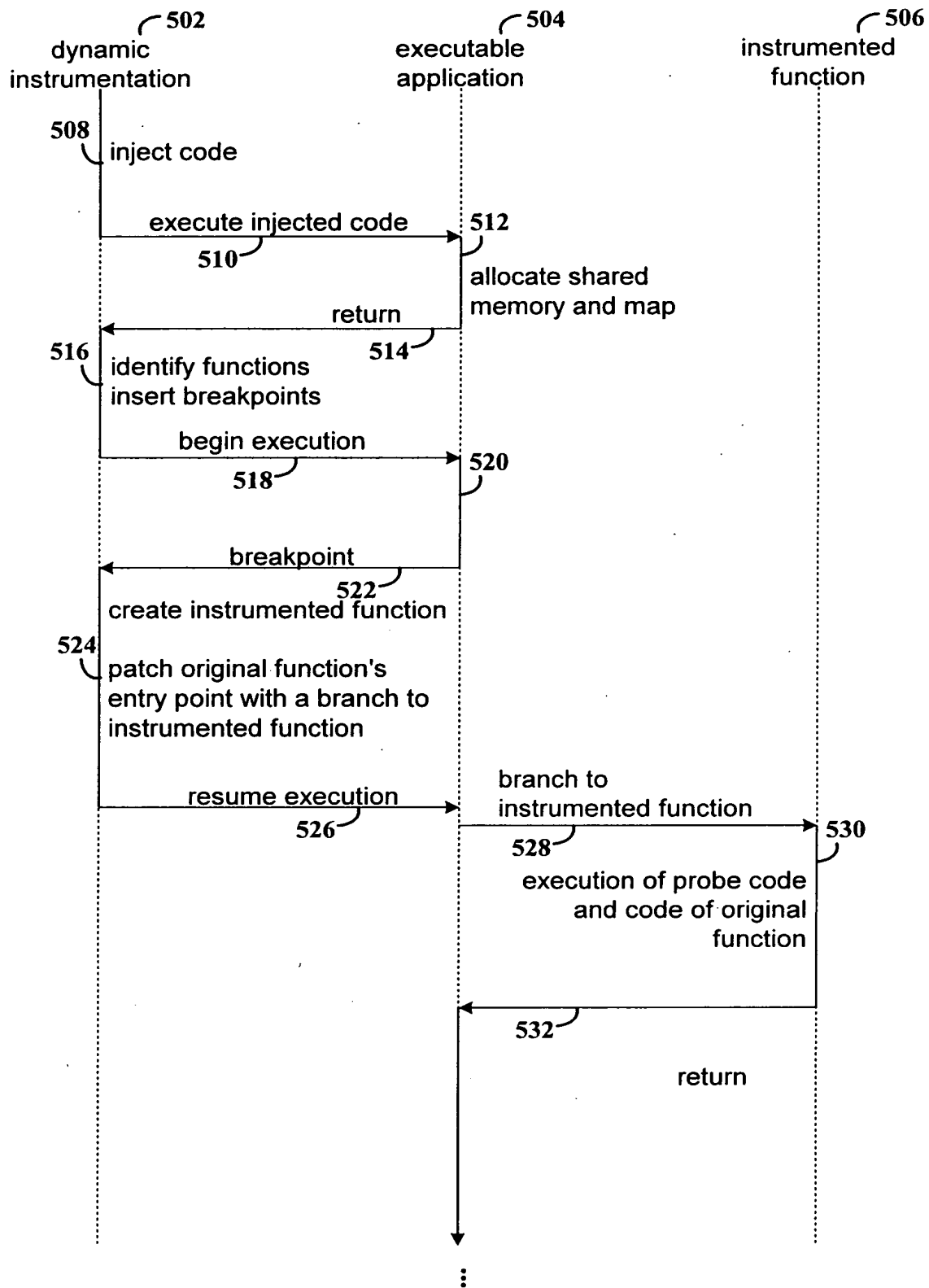
**FIG. 2D**



**FIG. 3**



**FIG. 4**



**FIG. 5**